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United States Department of Agriculture,

OFFICE OF EXPERIMENT STATIONS,

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SOME BOOKS ON AGRICULTURE AND AGRICULTURAL SCIENCE.

PUBLISHED 1893-1896.

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The accompanying list of books on agriculture and agricultural science published during the past three or four years is in no sense a complete bibliography, nor is the information given regarding these books uniform or thoroughly satisfactory. The list simply represents the results of an effort made in the Office of Experiment Stations to follow up such literature, as far as the data concerning it could be collated from publishers' catalogues, book reviews, copyright lists, periodicals, library catalogues, etc. The list does not include general Government reports or experiment station publications, reports of State boards or associations, diaries, calendars, or annuals. The details of this work have been in charge of Mr. F. H. Hall, of this Office, who has performed this task in connection with numerous other duties. President H. H. Goodell materially aided in the work by furnishing a list of the books on agricultural subjects received at the library of the Massachusetts Agricultural College during the same period. It is more than likely that errors occur in this list, though the effort has been made to give as accurate a reference to each publication as was practicable under the circumstances. It has been deemed desirable to add somewhat free translations of titles, though in cases where the book itself could not be examined these may not always correctly represent its real subject. The list is classified under general categories corresponding to those used in the Experiment Station Record. With all its imperfections it is nevertheless hoped that this list will be useful to college and station officers and serve as a basis for more complete and satisfactory lists hereafter.

CHEMISTRY.

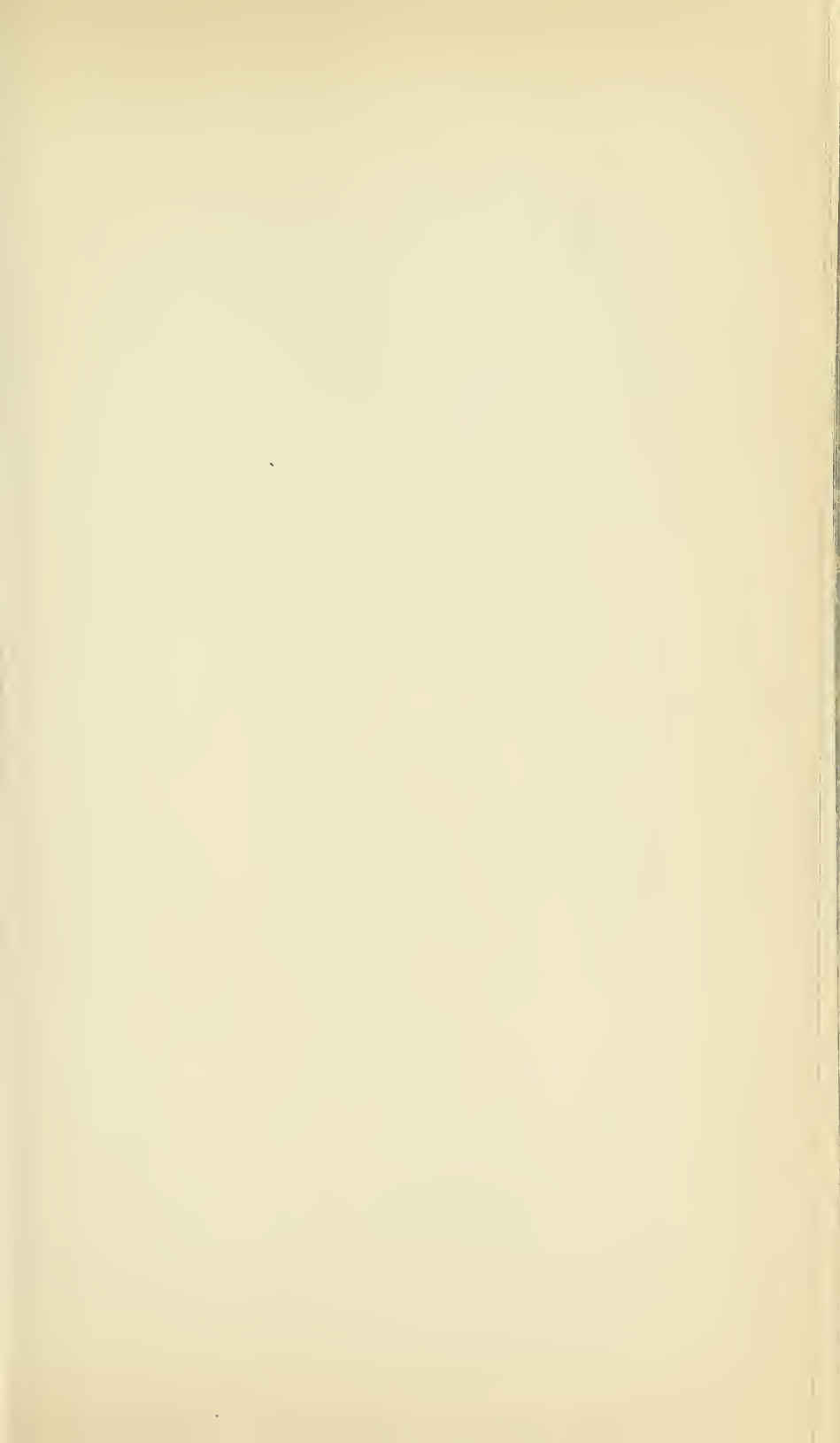
[The asterisk (*) indicates that the book is to be found in the library of this Department.]

- * **Acland, Thomas D.** Introduction to the chemistry of farming. Ed. 2, pp. 222. London: Simpkin, Marshall, Hamilton & Kent, 1892. Specially prepared for practical farmers, with records of field experiments.
- * **Addyman, Frank T.** Agricultural analysis. Pp. 7+200, ill. New York: Longmans, Green & Co., 1893.
- * **Aducco, A.** *Chimica agraria* (Agricultural chemistry). Pp. 325. Milano: U. Hoepli, 1893.
- Aikman, C. M.** Johnston's Elements of agricultural chemistry. Ed. 17, pp. 680. London: William Blackwood & Son, 1894. A revised edition of a standard text-book.
- * **Behrens, H.** Anleitung zur mikrochemischen Analyse (Guide to micro-chemical analysis). Pp. 224. Hamburg und Leipzig: Leopold Voss, 1895.
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- * ——— Manual of micro-chemical analysis. Pp. 246. London: Macmillan & Co., 1894.
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- * **Blücher, H. A.** Die Analyse der Weine (Wine analysis). Pp. 176. Cassel: Max Brunnemann, 1894.
- * **Bolton, Henry Carrington.** A select bibliography of chemistry, 1492-1892. Pp. 13+1212. Washington, D. C.: Government Printing Office, (Smiths. Misc. Coll.) 1893. Important work.
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- Cameron, C. A.** Elementary agricultural chemistry and geology. Pp. 168. Dublin: Hodges, 1896.
- Johnston's Catechism of agricultural chemistry. Edited by C. M. Aikman. London: William Blackwood & Son, 1892.
- * **Coleman, J. Bernard, and Addyman, Frank T.** Practical agricultural chemistry for elementary students. Pp. 8+88. London and New York: Longmans, Green & Co., 1893.
- Comey, Arthur M.** Dictionary of chemical solubilities, inorganic. Pp. 515. London and New York: Macmillan & Co., 1896.
- * **Cross, C. F., Bevan, E. J., and Beadle, C.** Cellulose: An outline of the chemistry of the structural elements of plants with reference to their natural history and industrial uses. Pp. 5+320, pls. 44. New York: Longmans, Green & Co., 1895. Probably the most complete treatise on the subject yet published.
- * **Dehérain, P. P.** *Traité de chimie agricole* (A treatise on agricultural chemistry). Pp. 904. Paris: G. Masson, 1892. A very complete treatise on the subject.
- Dupré, F.** Die Bestimmung des Kaliums als Kaliumplatinichlorid (The determination of potash as potassium platinochlorid). Pp. 38, fig. 1. Halle, 1893.
- Dyer, B.** On the analytical determination of the probably available "mineral" plant food in soils. Pp. 53. London, 1893. An excerpt from Jour. Chem. Soc., on a subject of considerable interest to agricultural investigators generally.
- Beckhout, L.** Praktische begrippen over landbouwhemie (Practical suggestions in agricultural chemistry). Ed. 3, pp. 145. Ghent: I. Vanderpoorten, 1893.
- * **Elsner, F.** Die Praxis des Chemikers bei Untersuchung von Nahrungsmitteln (Chemical methods in food investigations). Ed. 5, in 8 parts, pp. 634, figs. 148. Hamburg: Voss, 1892-93. Text-book.
- Fischer, Emil.** Die Chemie der Kohlenhydrate und ihre Bedeutung für die Physiologie (Chemistry of the carbohydrates and their importance in physiology). Berlin: August Hirschwald, 1894.

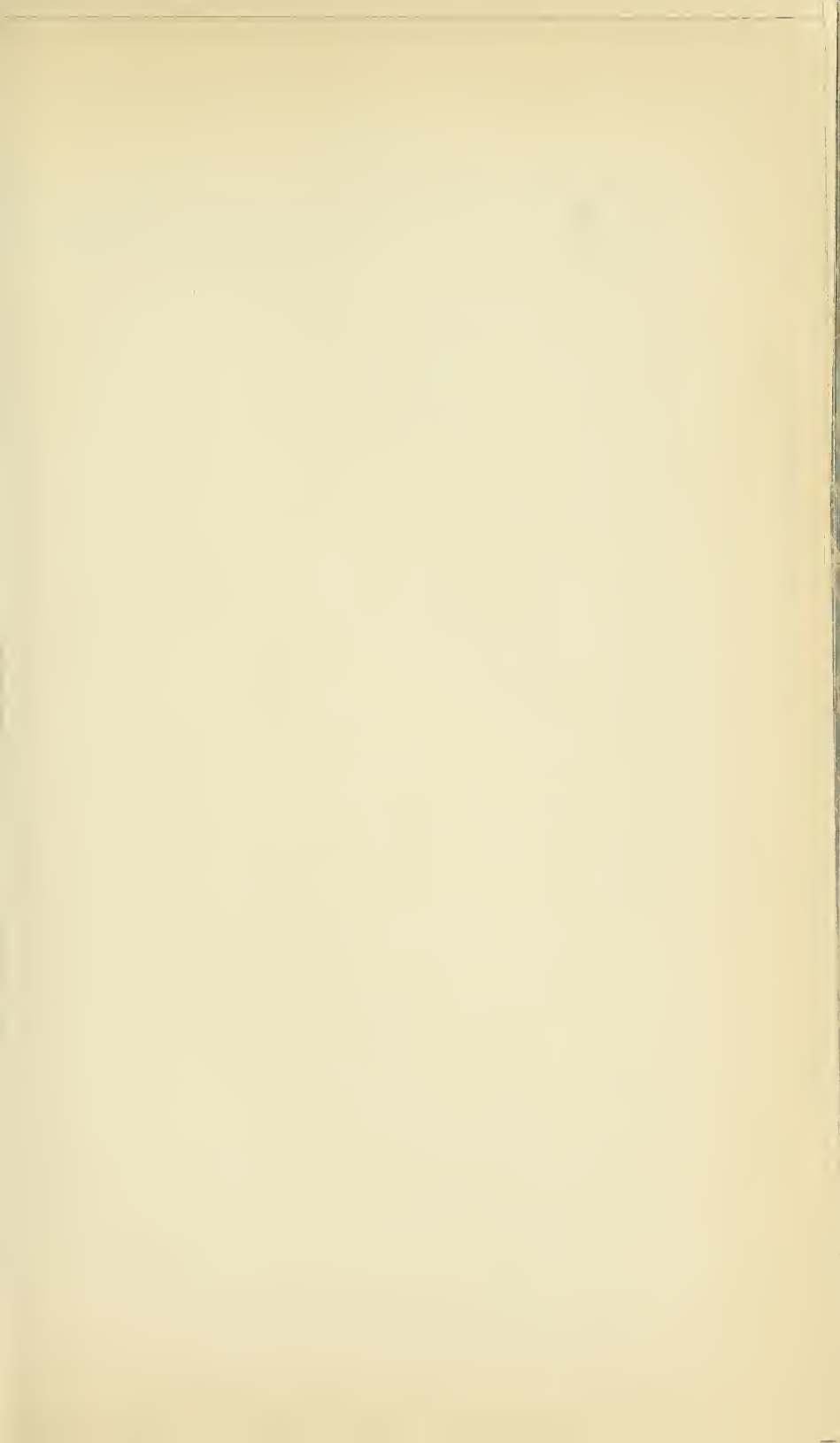
- * **Fischer, Ferd.** Handbuch der chemischen Technologie (Handbook of chemical technology). Pp. 1164, ill. Leipzig: Otto Wigand, 1893.
- * **Gain, E.** Précis de chimie agricole (Compend of agricultural chemistry). Pp. 436, figs. 93. Paris: J.-B. Baillière et fils, 1895.
- Gattermann, Ludwig.** Practical methods of organic chemistry. 1896.
- * **Girard, C., and Dupré, A.** Analyse des matières alimentaires et recherche de leurs falsifications (Analysis of food materials and detection of their adulterations). Pp. 735, ill. Paris: Dunod, 1894. Text-book.
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- Hart, Edward.** Chemistry for beginners. Ed. 3, pp. 245, figs. 62, pls. 2. Easton, Pa.: Chemical Pub. Co., 1896.
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- Kalmann, W.** Kurze Anleitung zur chemischen Untersuchung von Rohstoffen und Producten der landwirthschaftlichen Gewerbe und Fettindustrie (Introduction to chemical investigation of raw materials and the products of the agricultural and fat industries). Pls. 3. Leipzig und Wien: F. Deutick, 1896. Laboratory text-book.
- Klocke, E.** Landwirthschaftliche Chemie (Agricultural chemistry). Pp. 5 + 80. Leipzig, 1895.
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- Leffman, Henry, and Beam, William.** Analysis of milk and milk products. Pp. 92. Philadelphia: P. Blakiston & Co., 1893.
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- Mason, W. P.** Notes on qualitative analysis. Pp. 36. Easton, Pa.: Chemical Pub. Co., 1896. A laboratory manual.
- Mass, A.** Leitfaden der landwirthschaftlichen Chemie (Key to agricultural chemistry). Pp. 185, figs. 10. Berlin: Paul Parey, 1894. Introductory text-book.
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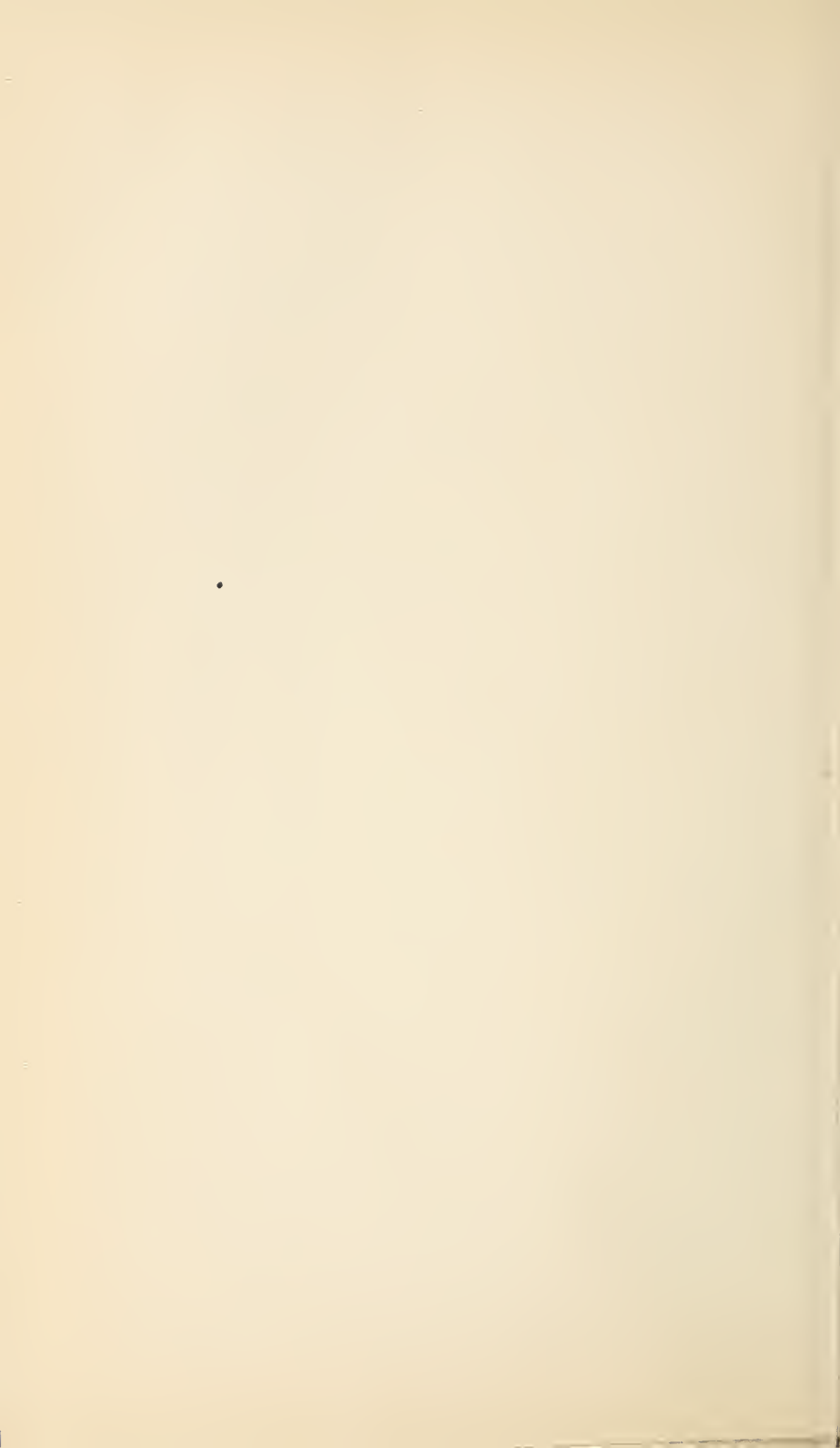


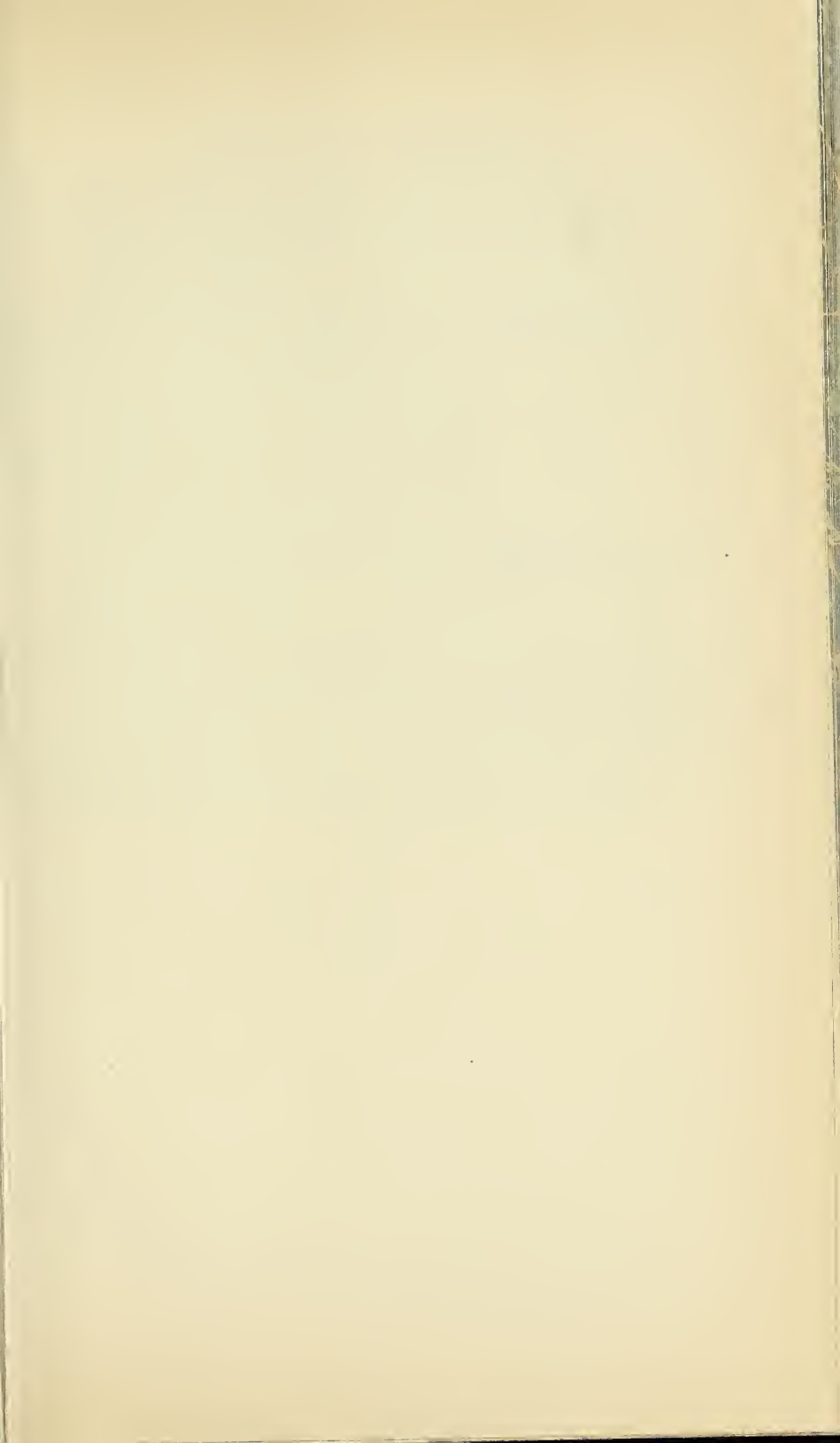
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- Grasses of North America. Pp. 450. Chicago: J. H. Sanders Pub. Co.
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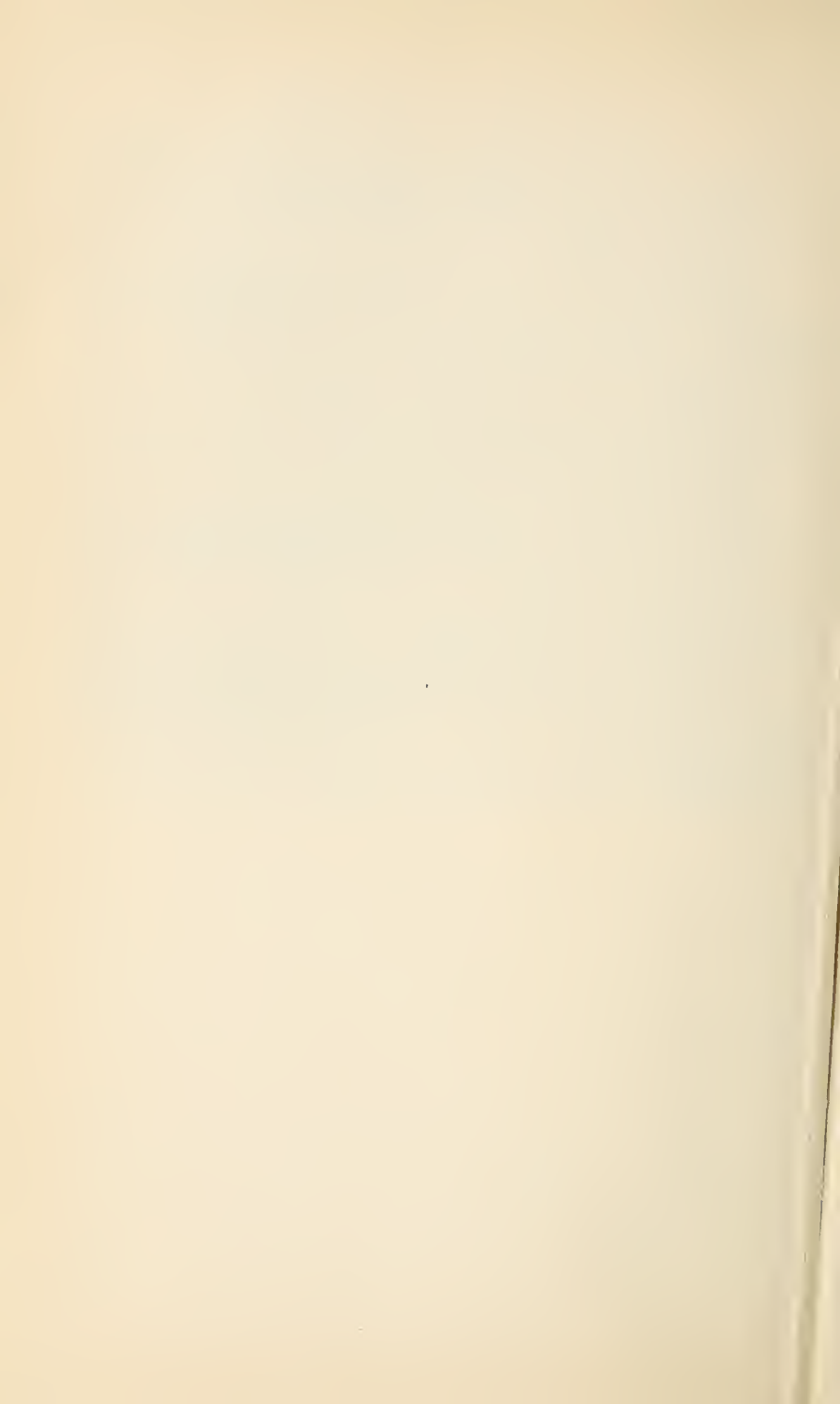






FERMENTATION—BACTERIOLOGY.

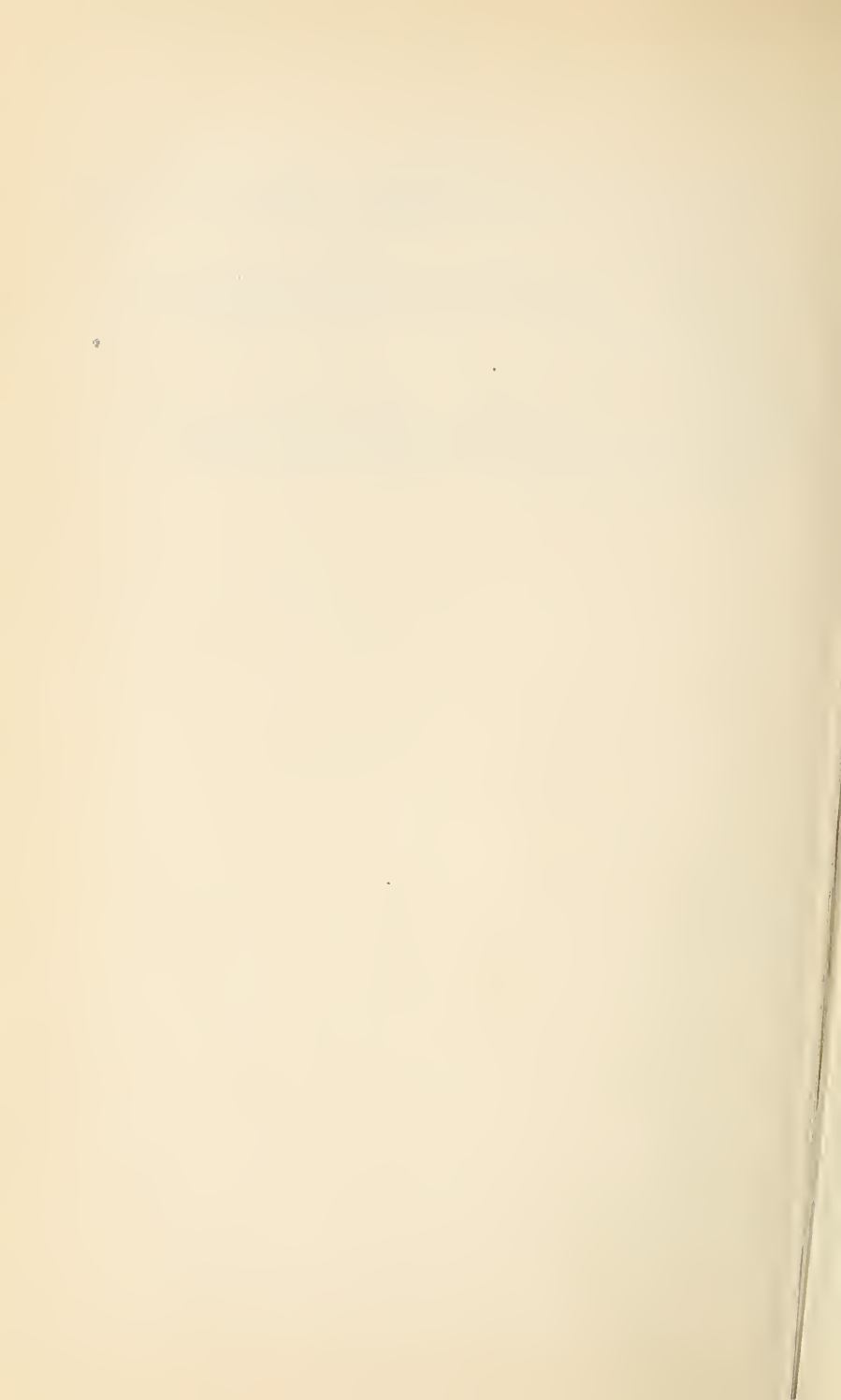
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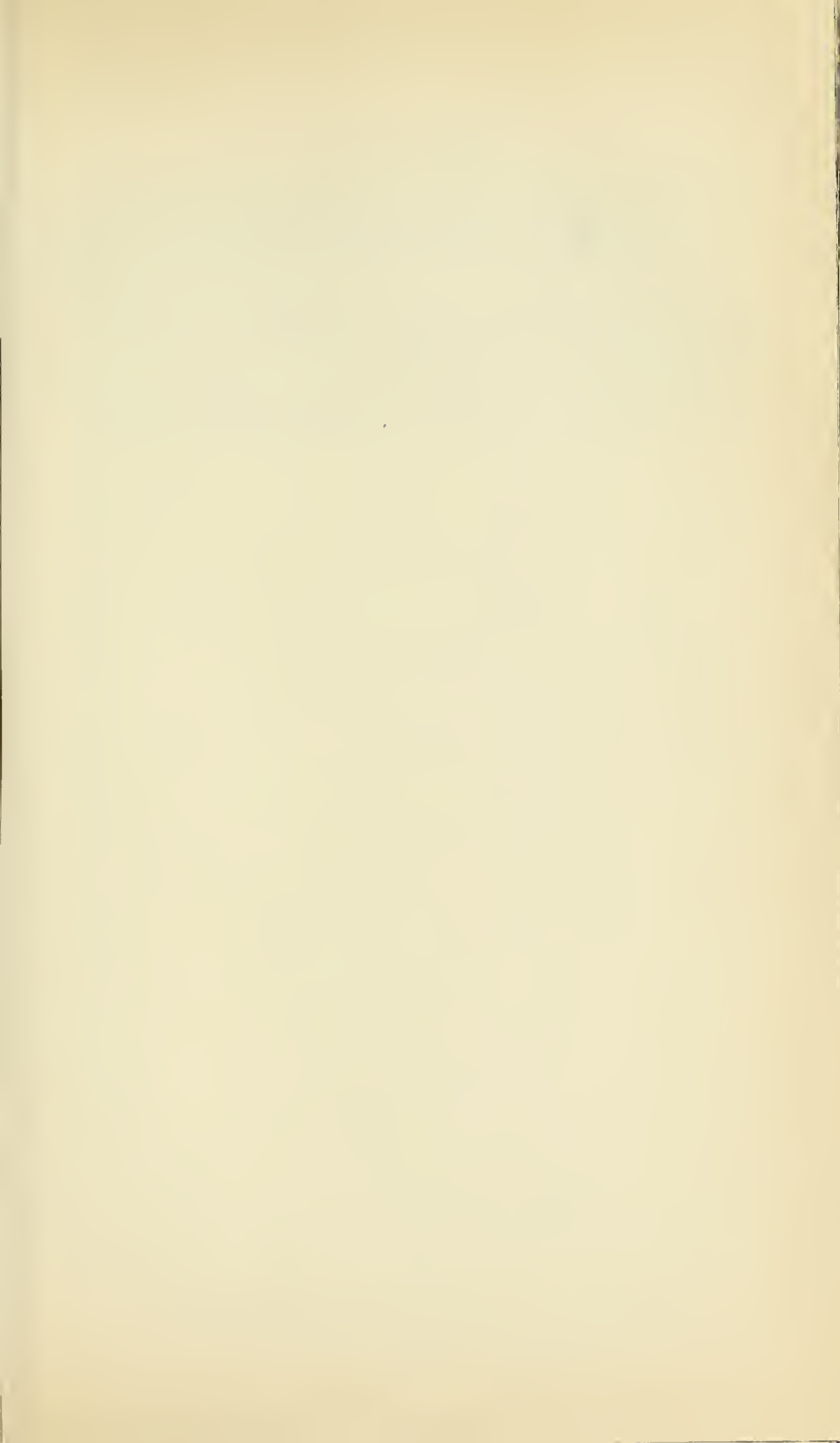






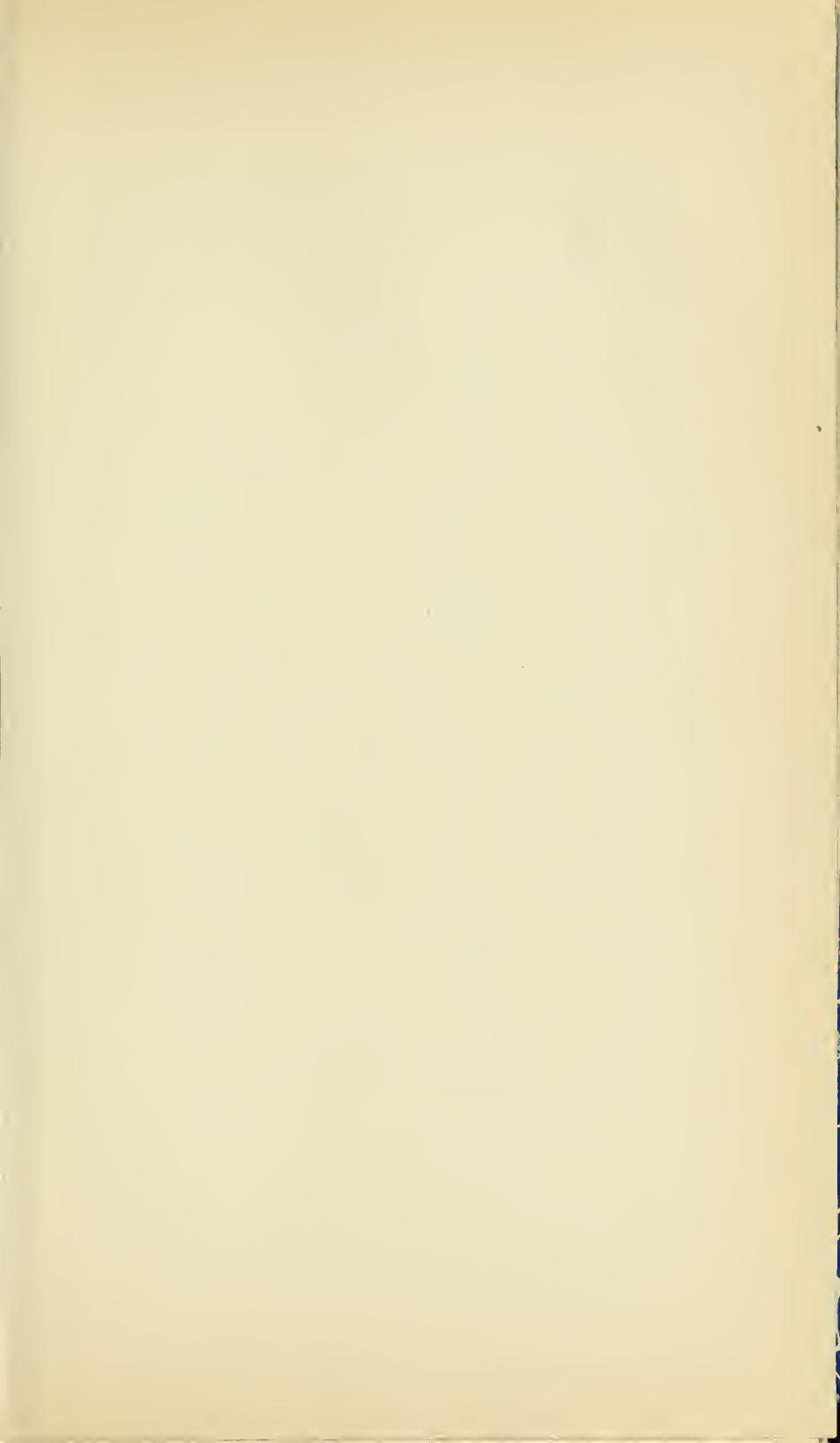
METEOROLOGY—CLIMATOLOGY.

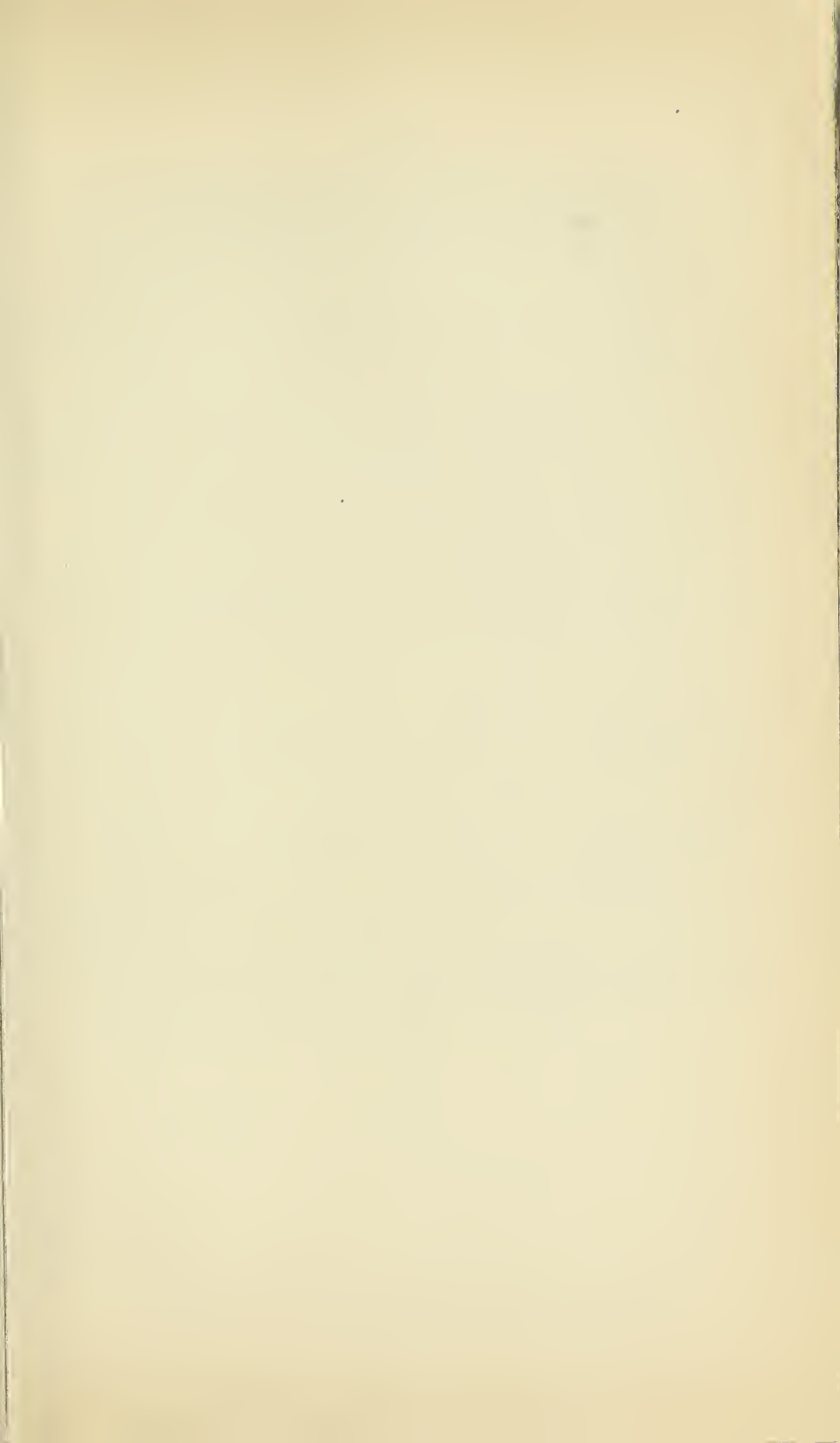
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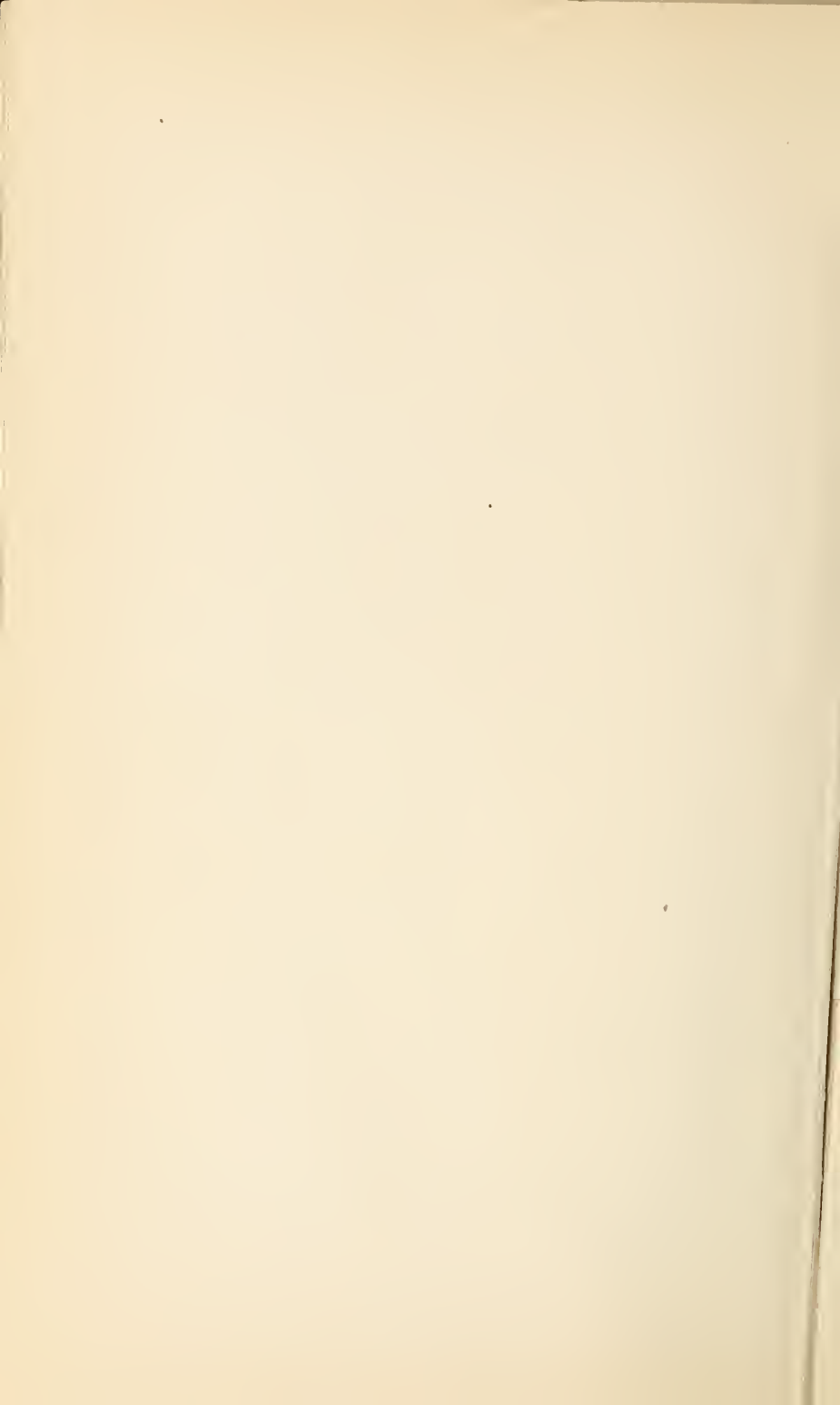


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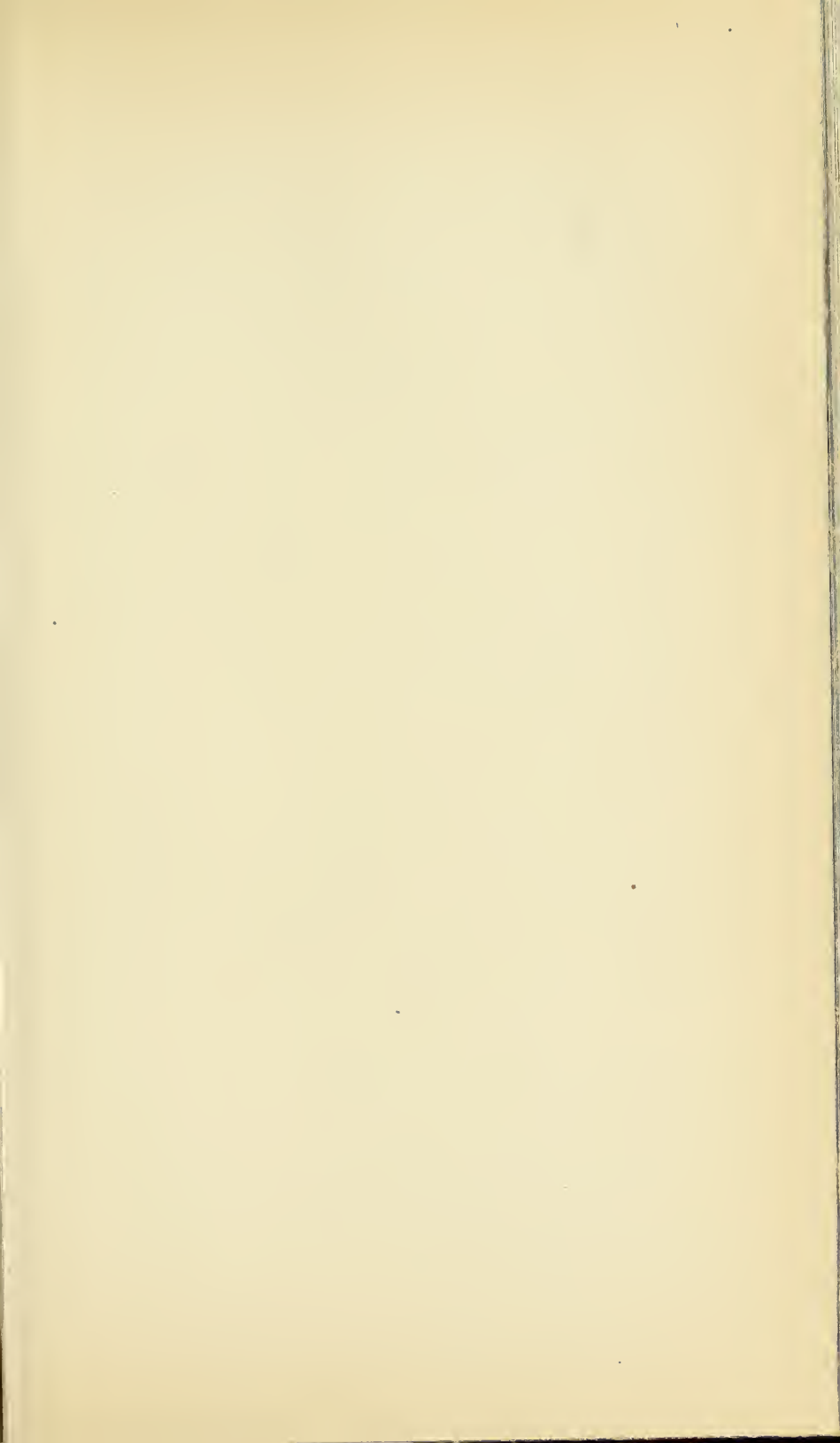




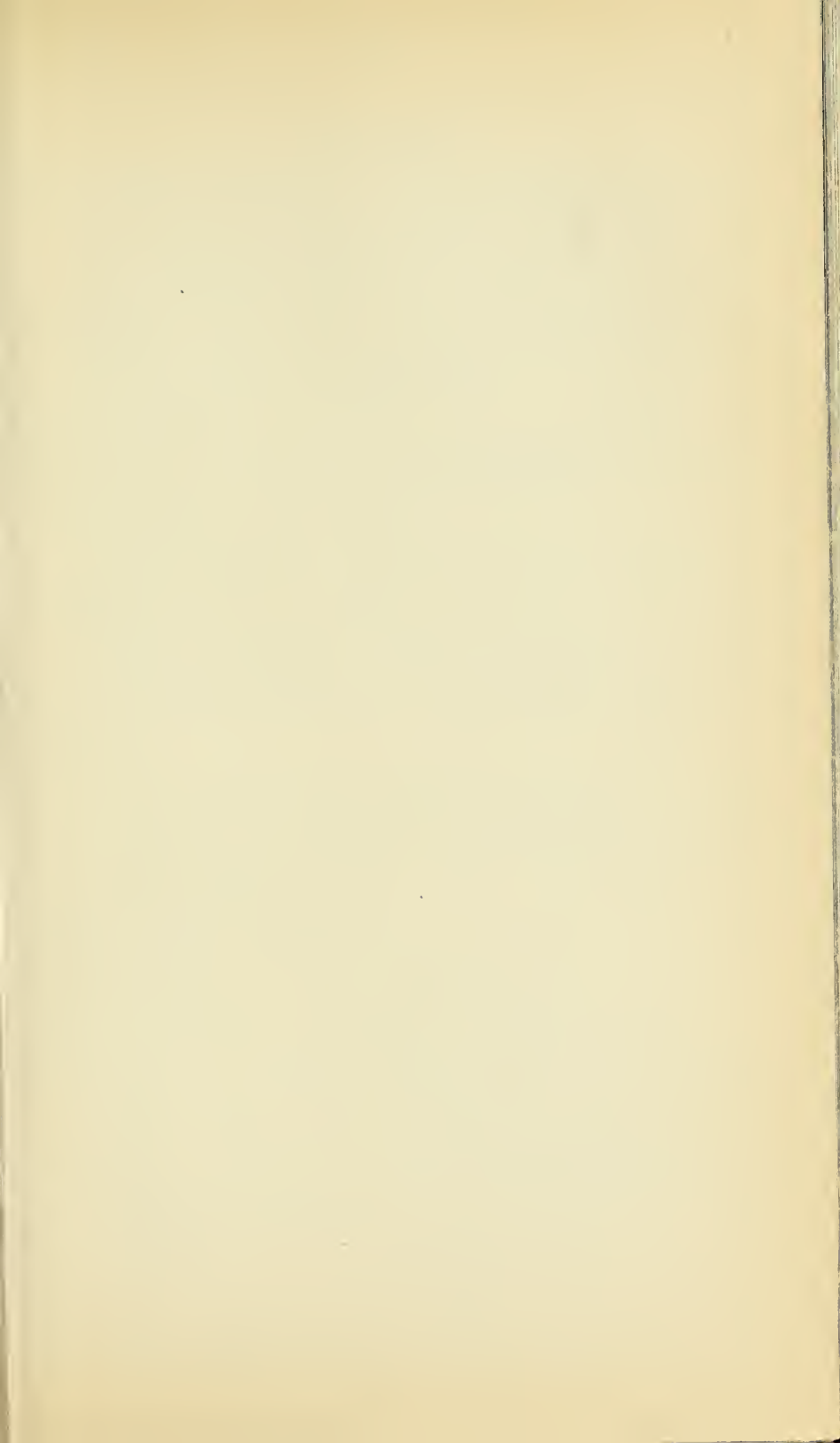
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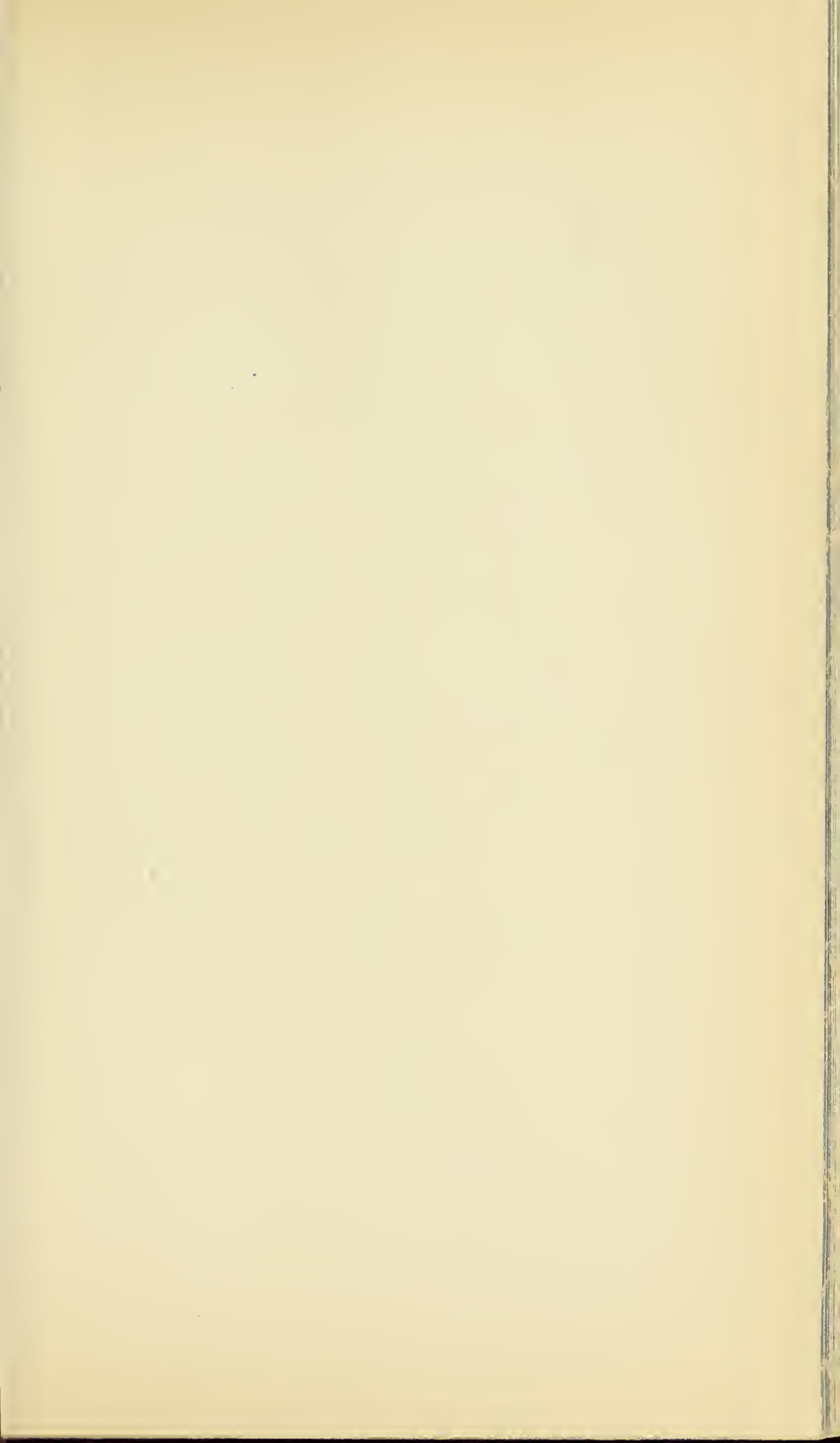
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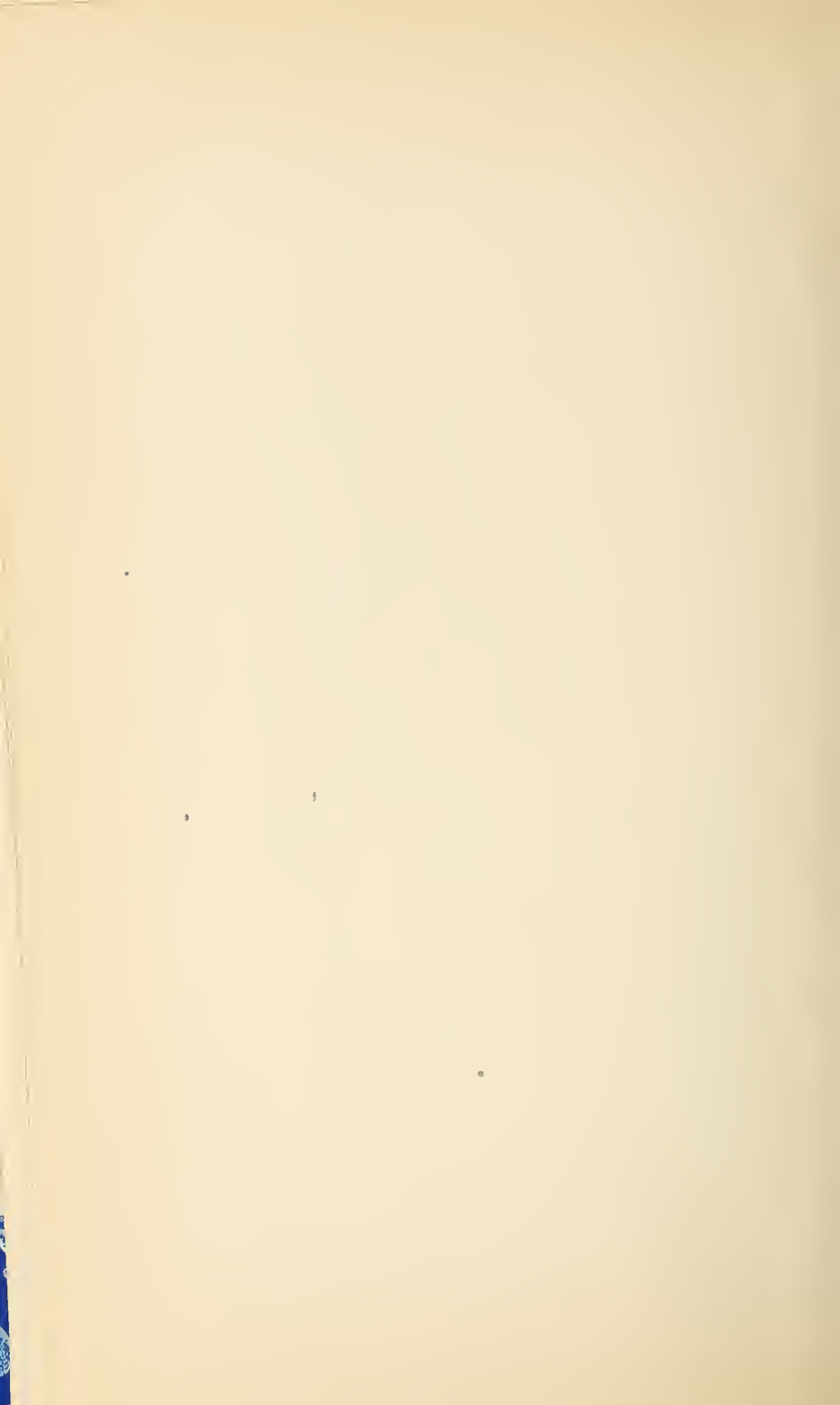
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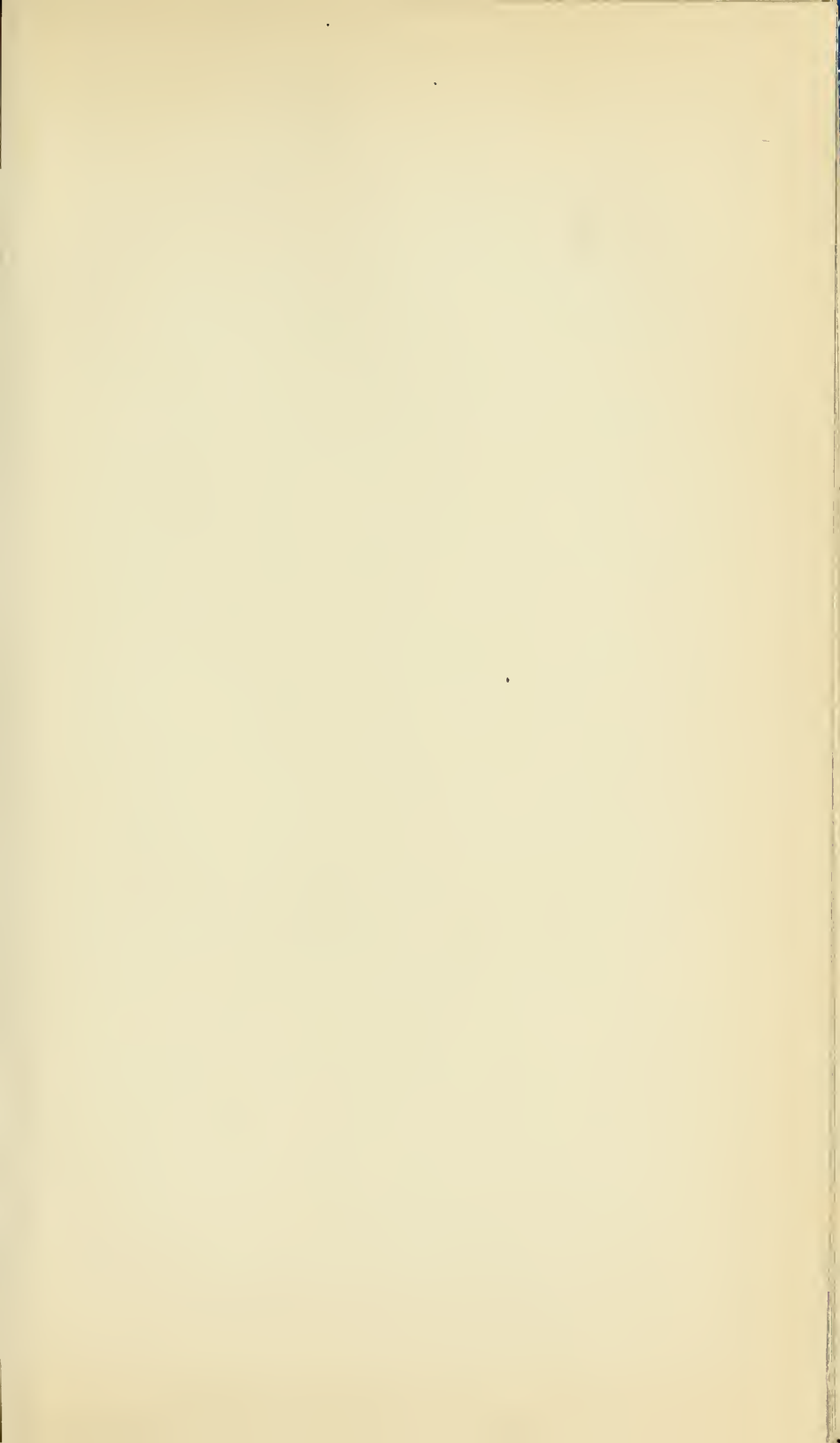
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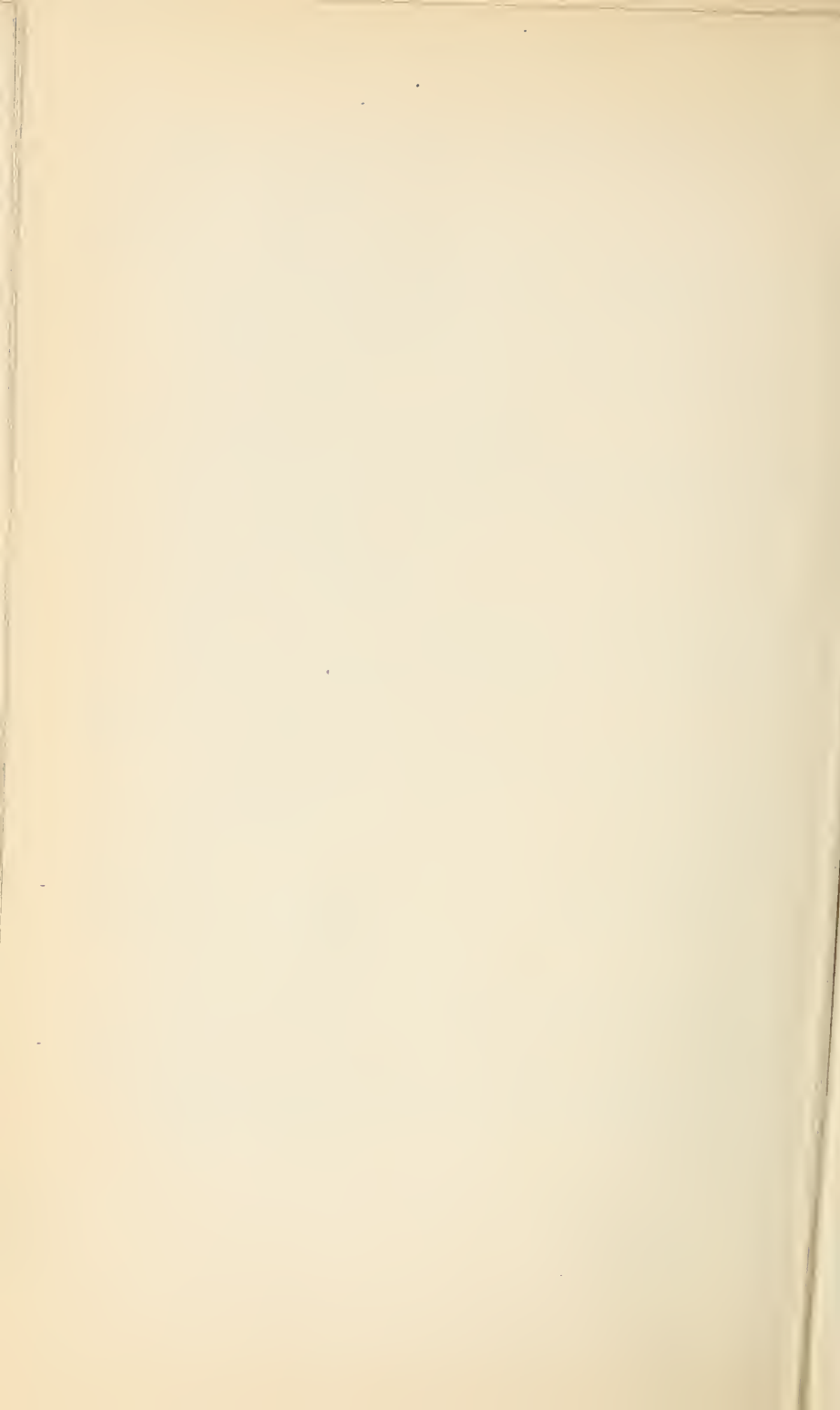
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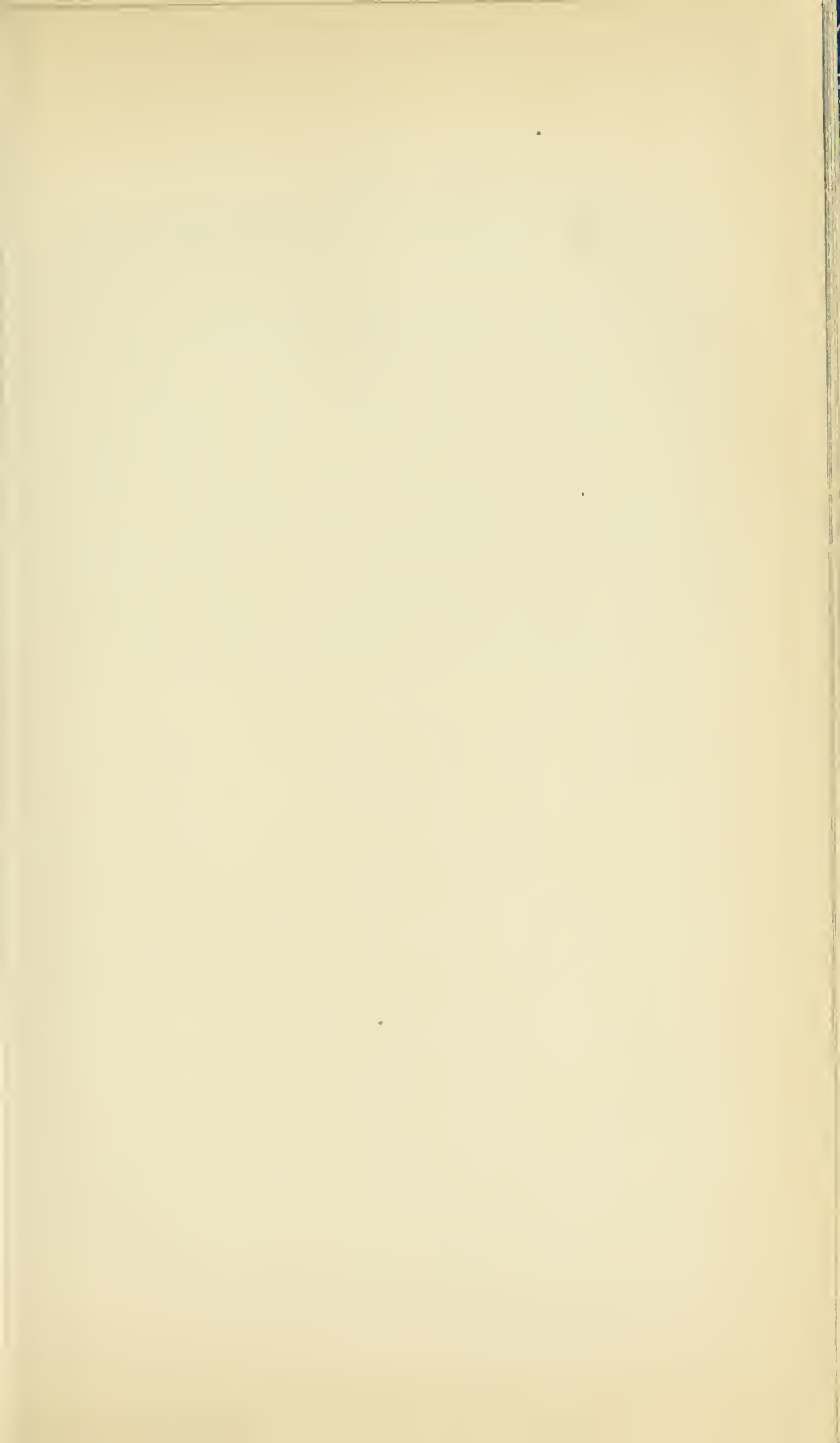
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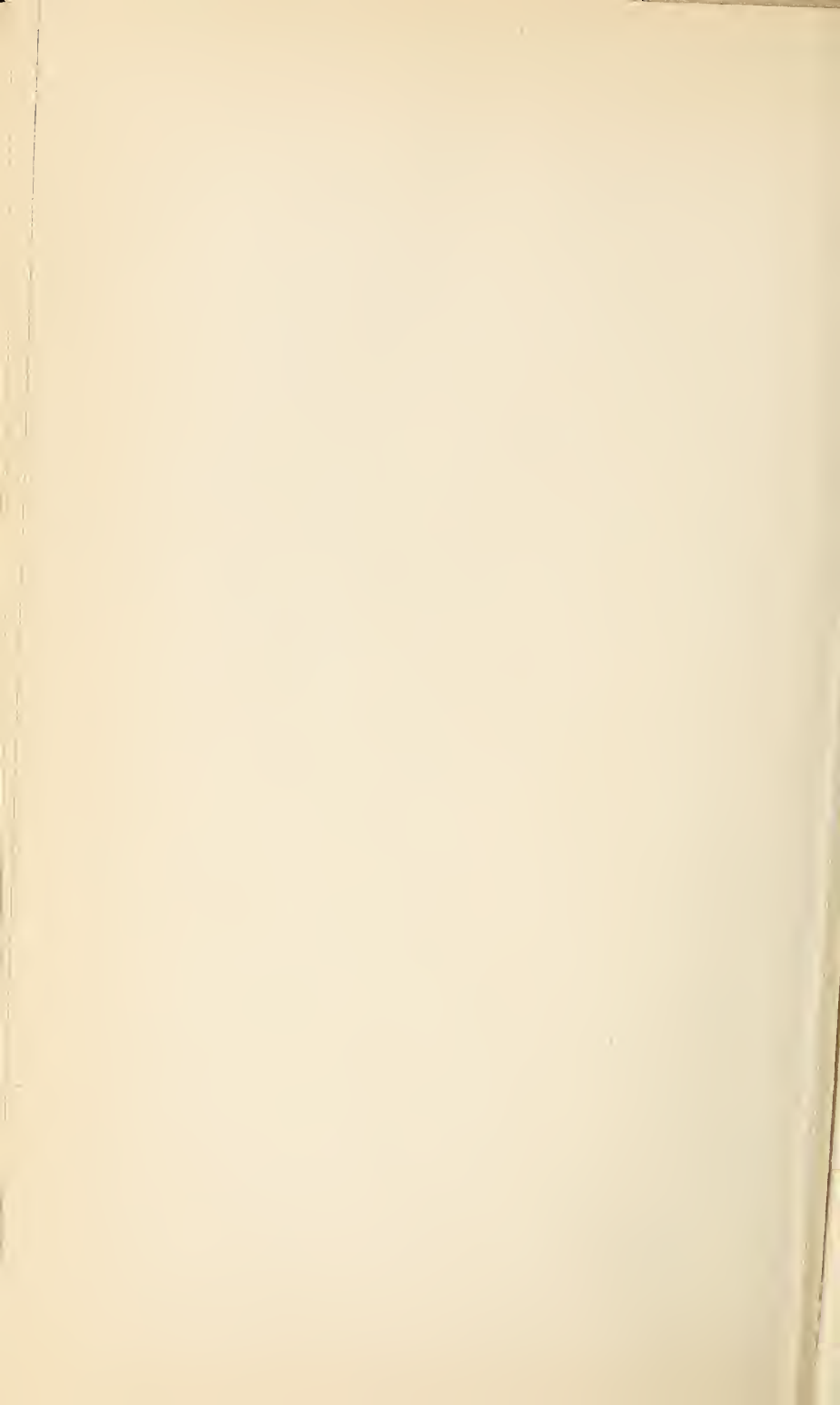


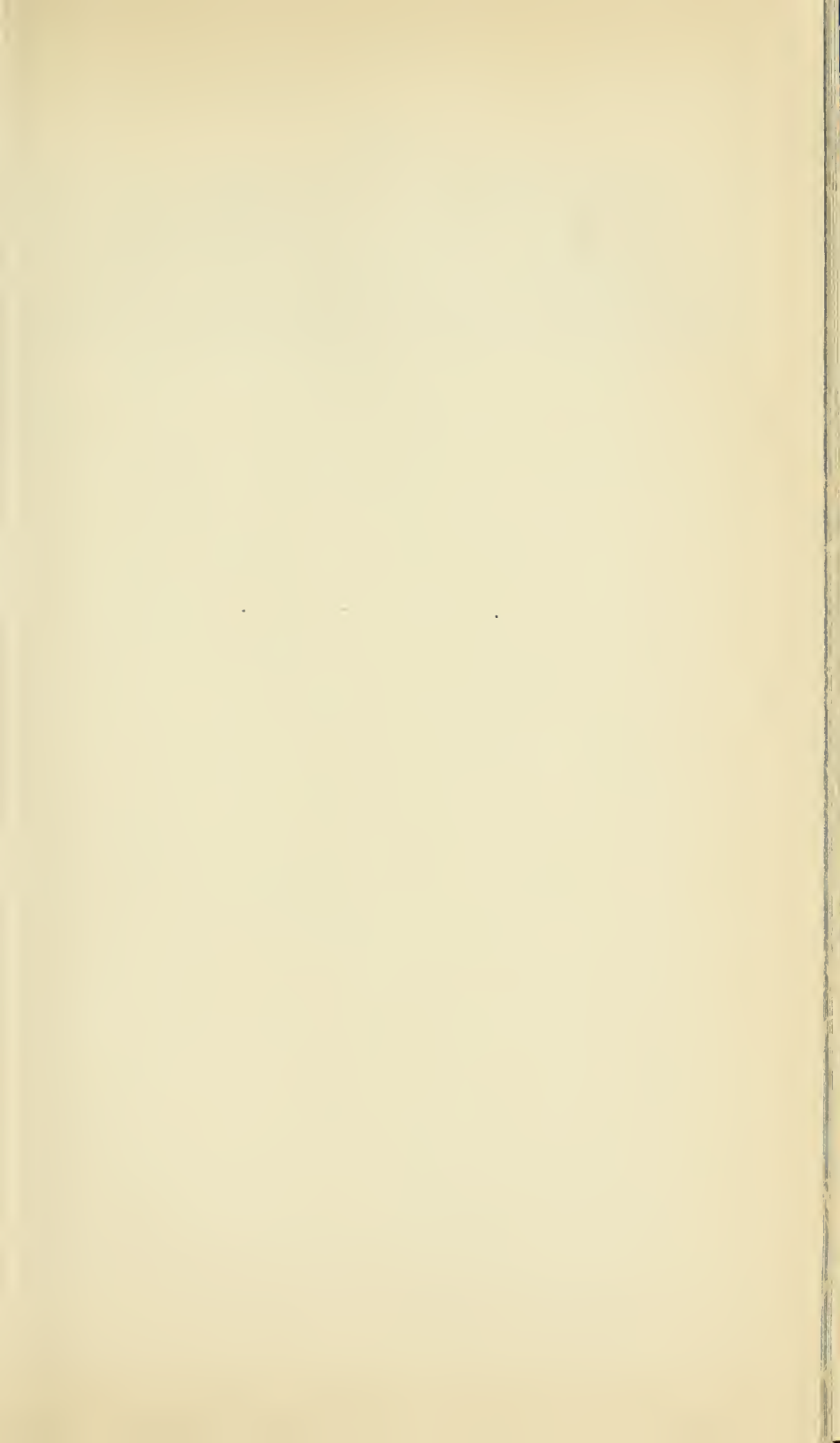


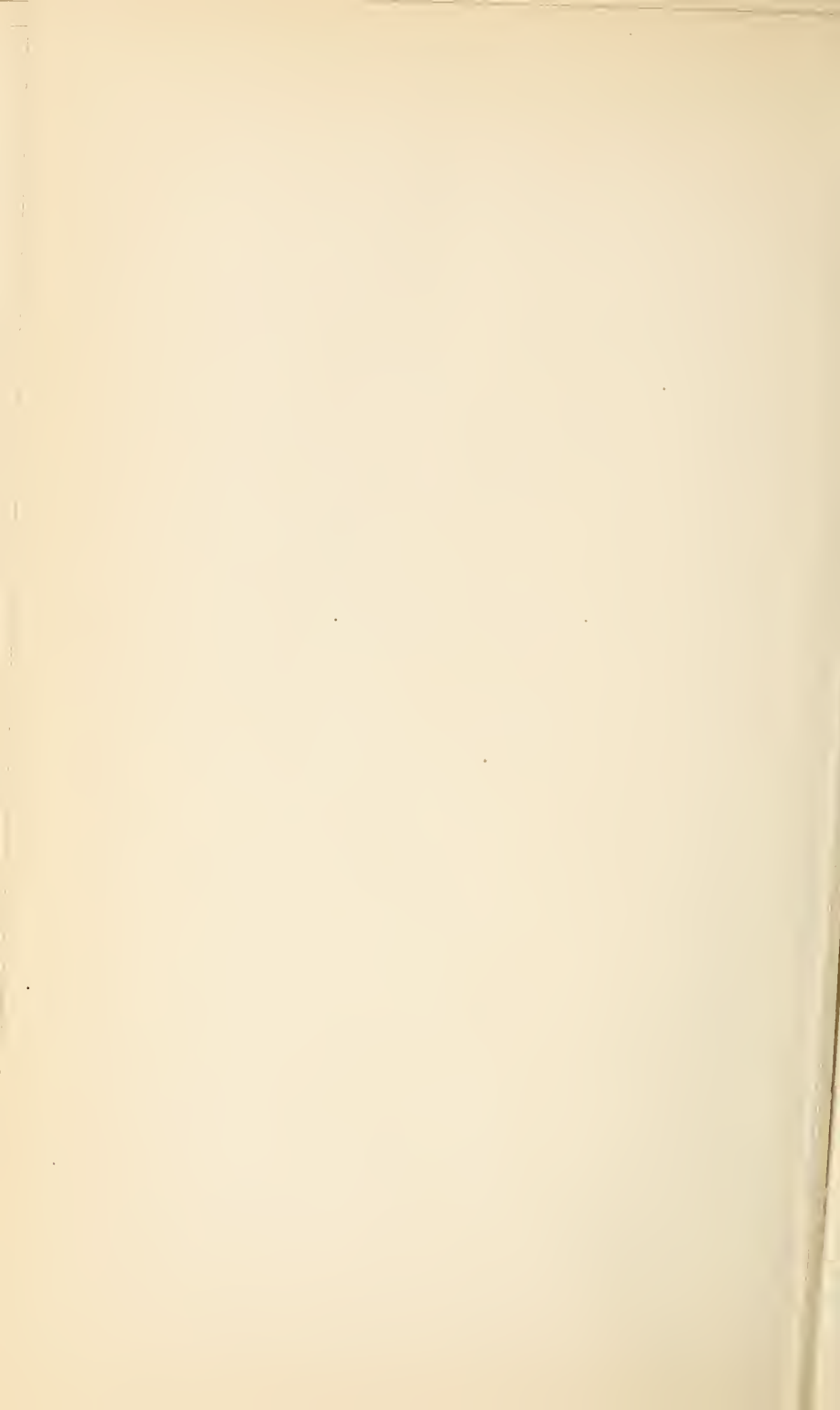
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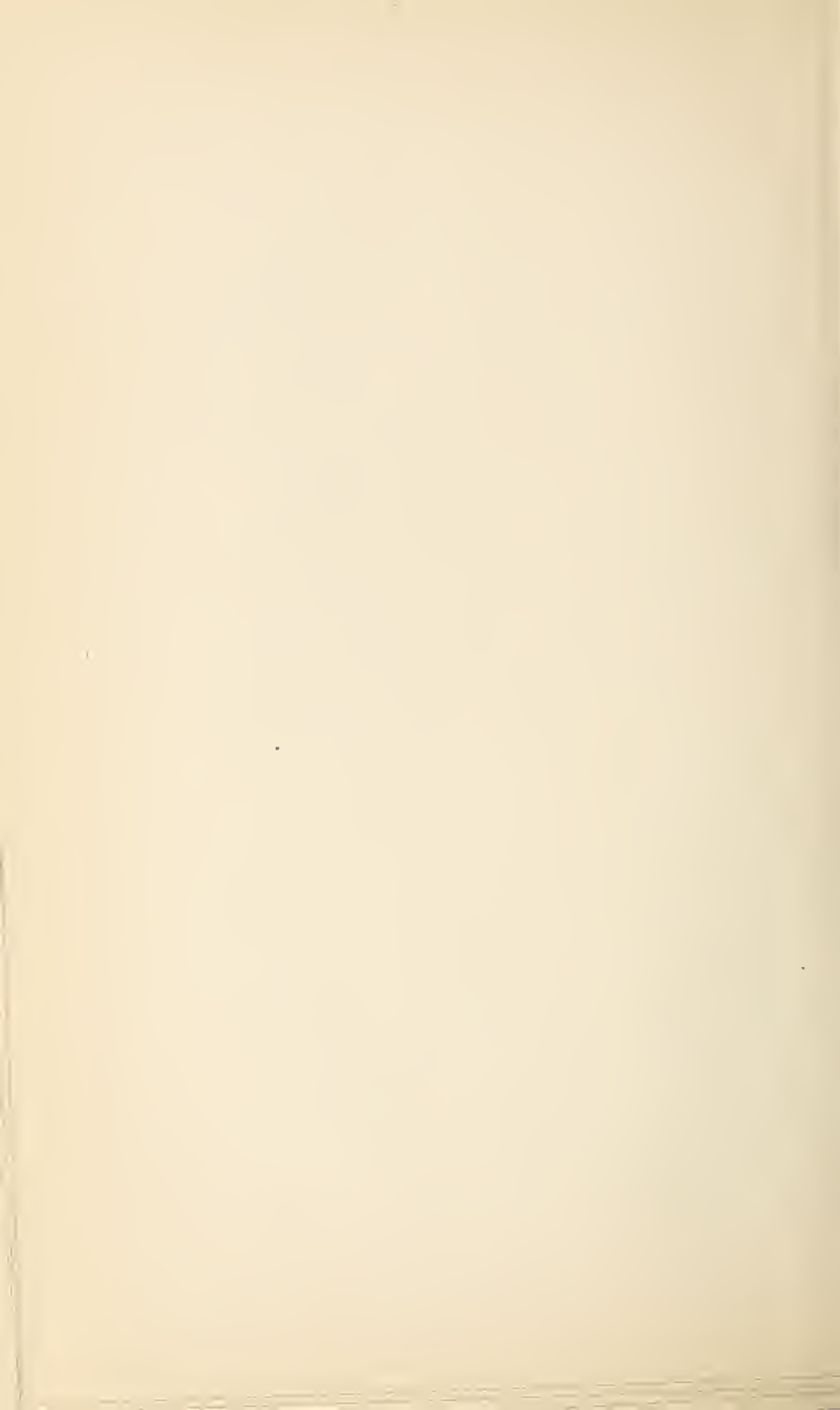
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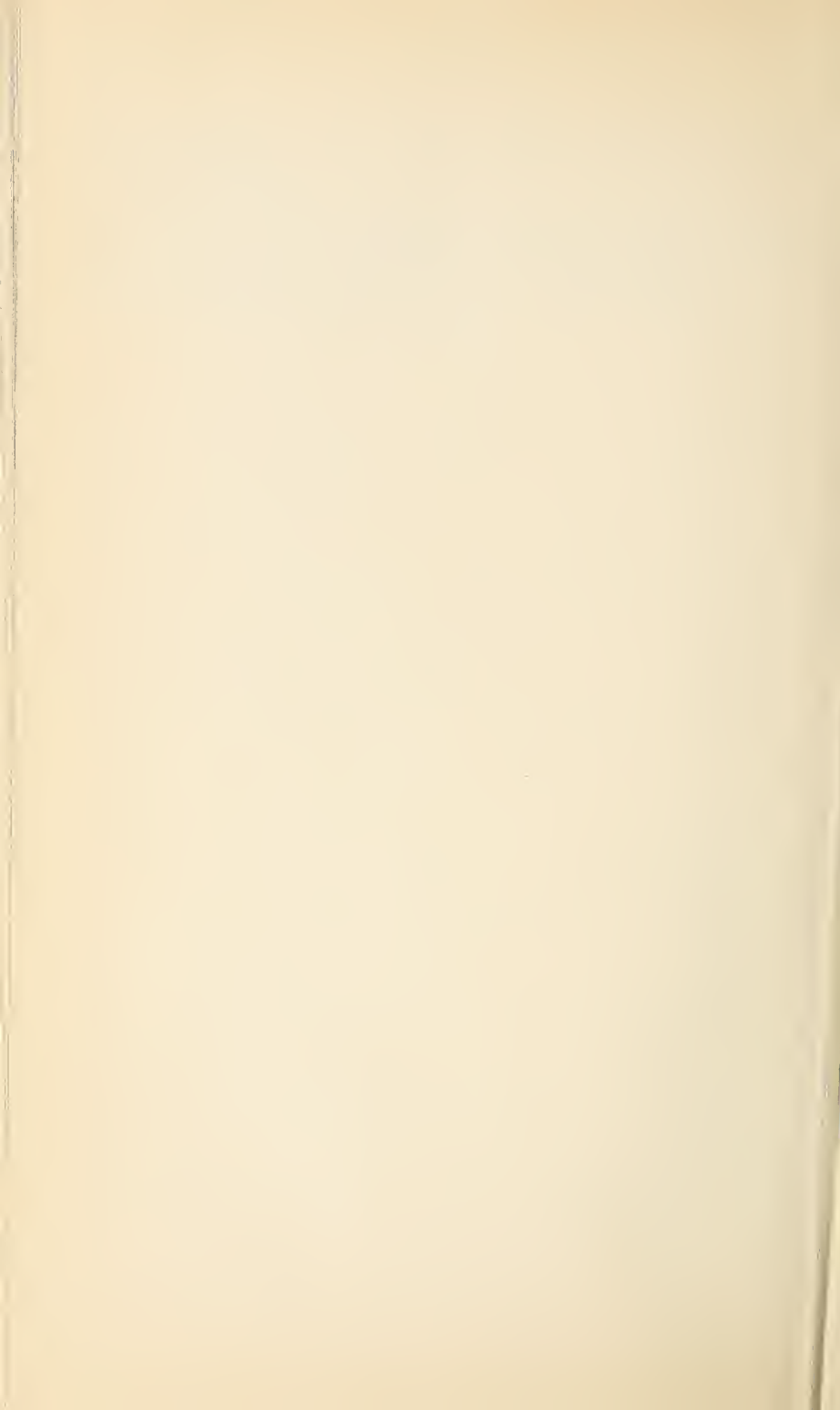
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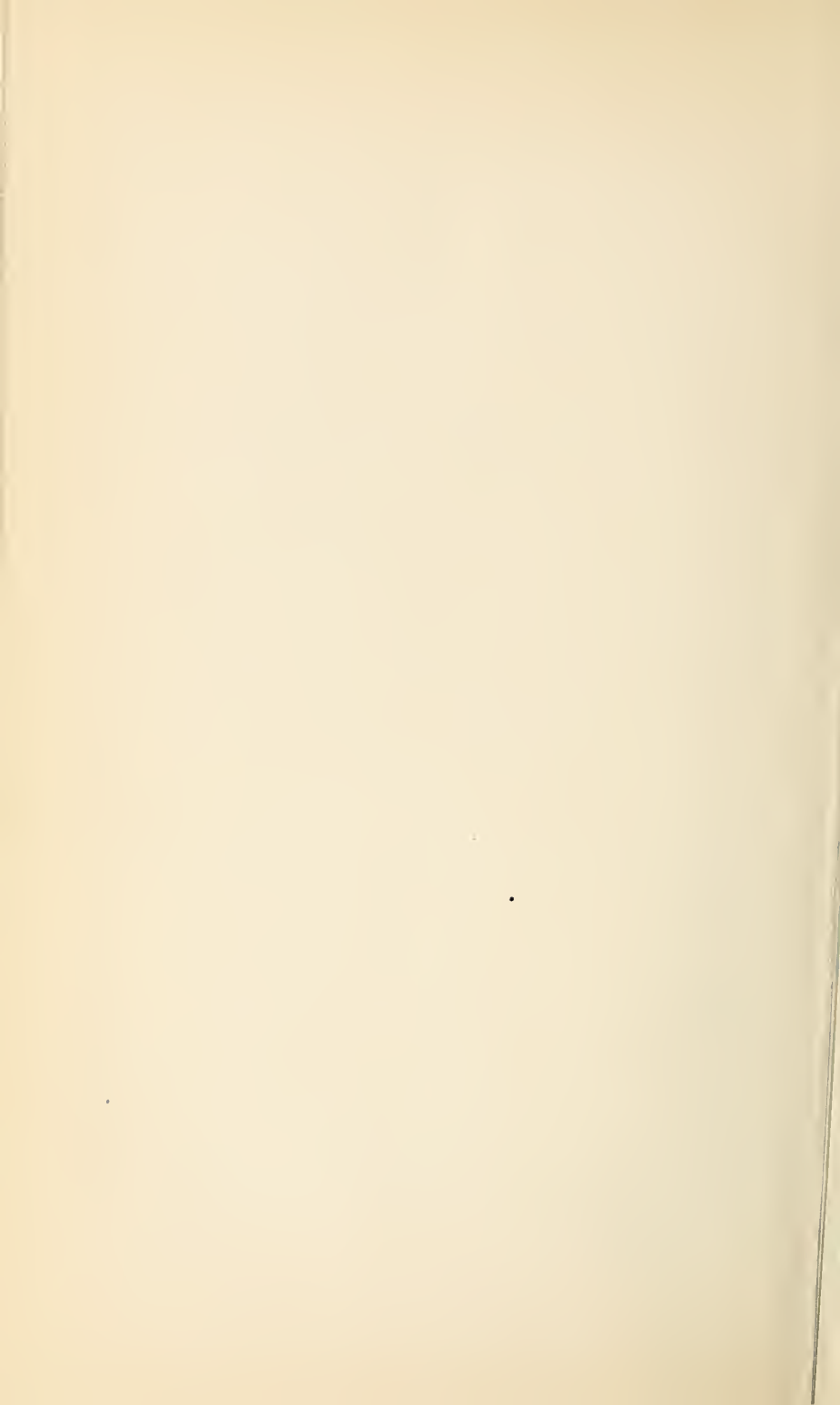
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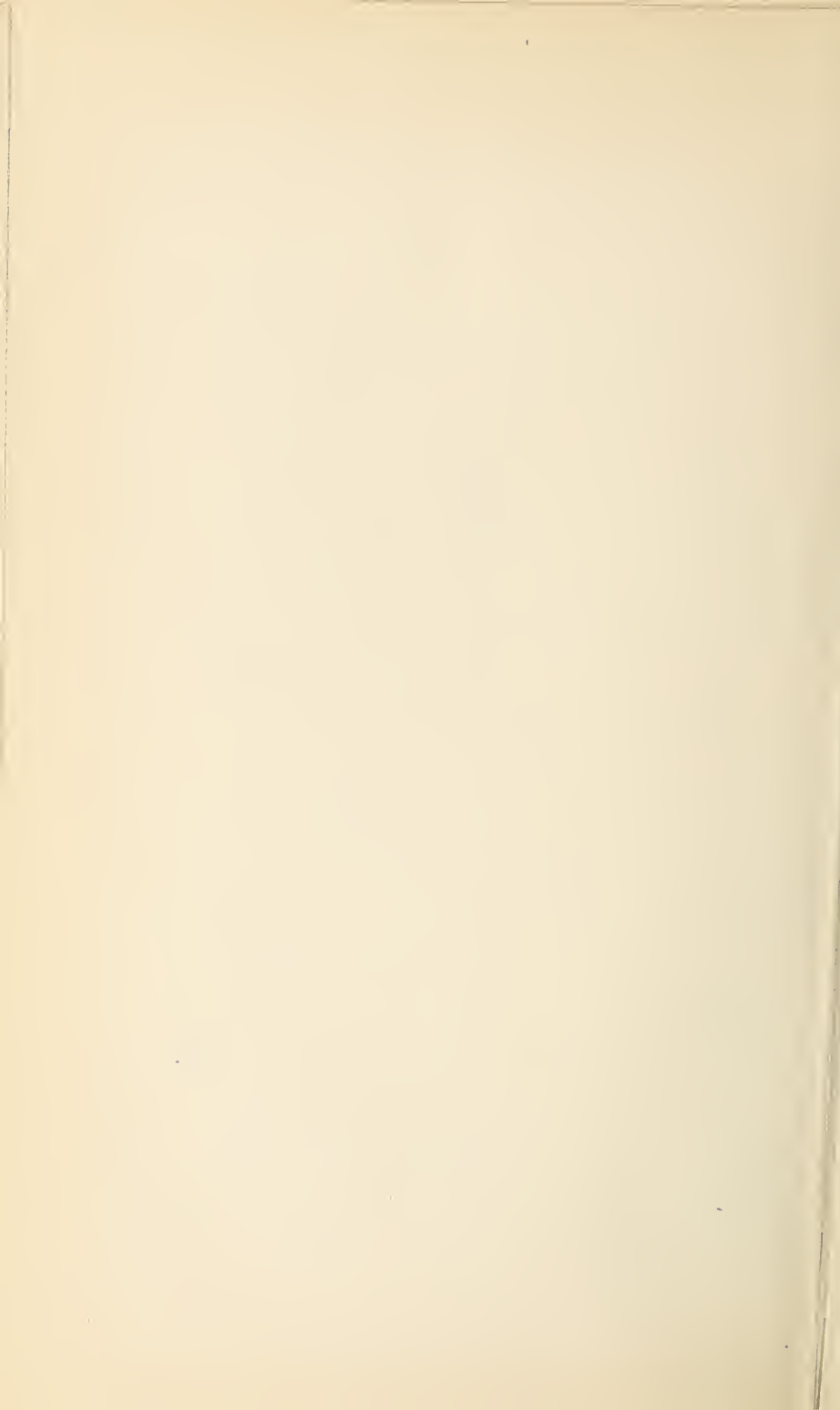
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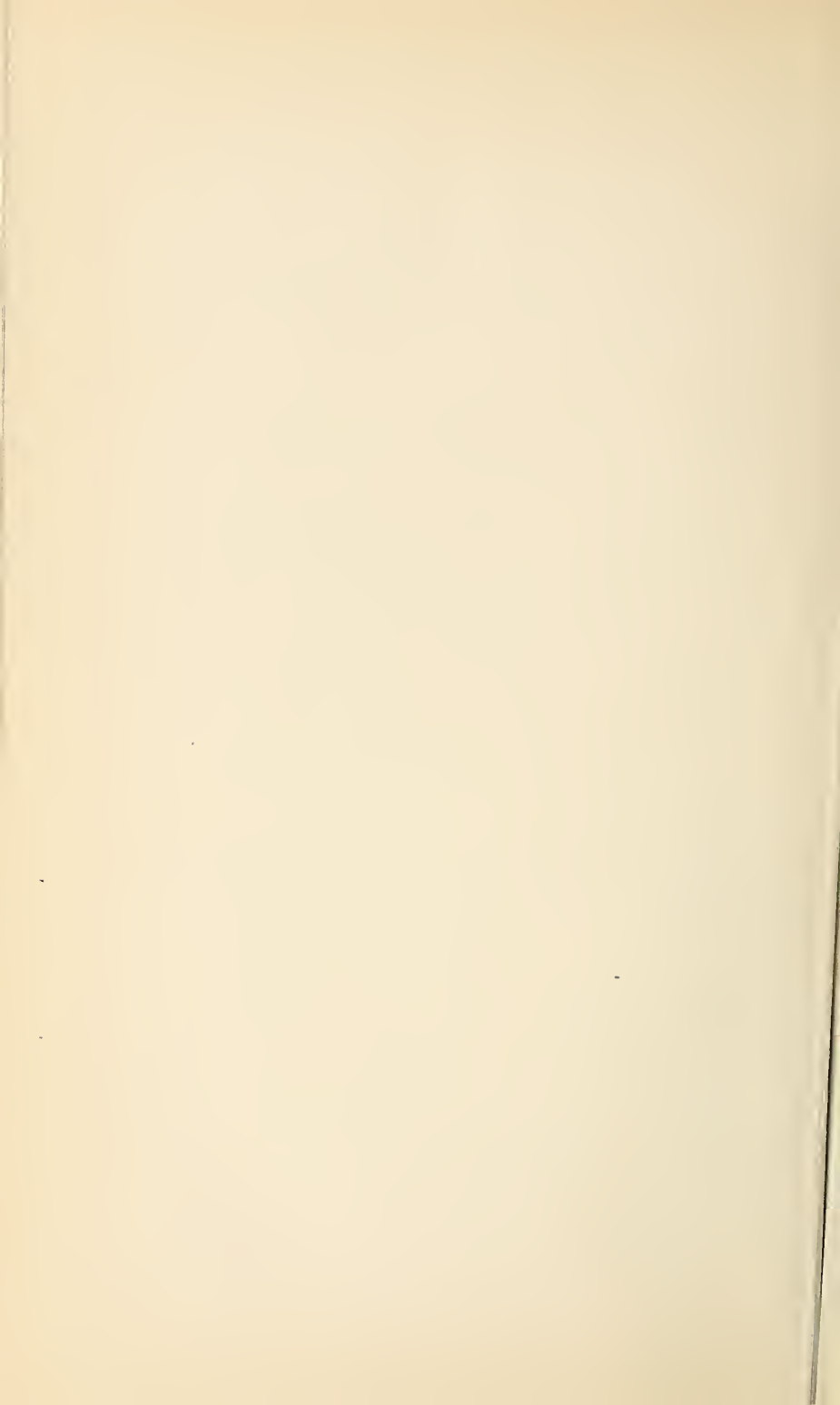


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